

Title (en)

IMPROVEMENTS IN OR RELATING TO ENCAPSULATED PERFUME COMPOSITIONS

Title (de)

VERBESSERUNGEN AN ODER IM ZUSAMMENHANG MIT VERKAPSELTEN DUFTSTOFFZUSAMMENSETZUNGEN

Title (fr)

AMÉLIORATIONS APPORTÉES OU SE RAPPORTANT À DES COMPOSITIONS DE PARFUM ENCAPSULÉES

Publication

EP 3310893 B2 20240228 (EN)

Application

EP 16731580 A 20160622

Priority

- GB 201510942 A 20150622
- EP 2016064343 W 20160622

Abstract (en)

[origin: WO2016207179A1] Disclosed are perfume compositions containing perfume ingredients selected on the basis that they are able to be stably incorporated into core-shell microcapsules. Perfume selection rules are based on a molecular descriptor of the electron density distribution within a perfume ingredient – RECON_VOLTAE. Perfume ingredients having known RECON_VOLTAE values larger than about 1200 Bohr³, more particularly larger than 1540 Bohr³, and more particularly still larger than about 1750 Bohr³ are particularly suitable for encapsulation.

IPC 8 full level

C11D 3/50 (2006.01); **A61Q 5/02** (2006.01); **A61Q 5/12** (2006.01); **A61Q 13/00** (2006.01)

CPC (source: CN EP KR US)

A61K 8/11 (2013.01 - EP KR US); **A61K 8/84** (2013.01 - EP US); **A61Q 5/02** (2013.01 - CN EP US); **A61Q 5/12** (2013.01 - CN EP KR US); **A61Q 13/00** (2013.01 - CN EP KR US); **C11D 3/0015** (2013.01 - KR); **C11D 3/505** (2013.01 - CN EP KR US); **A61K 2800/56** (2013.01 - EP KR US)

Citation (opposition)

Opponent :

- GB 1510942 A 19780517 - NIPON KAYAKU KK [JP], et al
- US 2013164355 A1 20130627 - AUSSANT EMMANUEL JULIEN [FR], et al
- US 2015017214 A1 20150115 - WARR JONATHAN [FR], et al
- US 2016168507 A1 20160616 - RIBAUT TIPHAIN [FR], et al
- US 2004029750 A1 20040212 - SCHUDEL MARKUS QUELLET [CH], et al
- US 2006243322 A1 20061102 - HELTOVICS GABOR [HU], et al
- WO 2009153695 A1 20091223 - FIRMENICH & CIE [CH], et al
- US 2010168251 A1 20100701 - WARR JONATHAN FRANK [FR], et al
- US 2015284660 A1 20151008 - BUDIJONO STÉPHANIE [US], et al
- WO 2016005246 A1 20160114 - OREAL [FR]
- WO 9955819 A1 19991104 - PROCTER & GAMBLE [US], et al
- WO 2007034187 A1 20070329 - QUEST INT SERV BV [NL], et al
- WO 2011075425 A1 20110623 - PROCTER & GAMBLE [US], et al
- WO 0231092 A2 20020418 - HENKEL KGAA [DE], et al
- WO 2013092375 A1 20130627 - FIRMENICH & CIE [CH]

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2016207179 A1 20161229; BR 112017027395 A2 20180821; BR 112017027395 B1 20221004; CN 107787357 A 20180309; CN 107787357 B 20210323; EP 3310893 A1 20180425; EP 3310893 B1 20200805; EP 3310893 B2 20240228; ES 2826604 T3 20210518; GB 201510942 D0 20150805; JP 2018525460 A 20180906; JP 6829214 B2 20210210; KR 102528222 B1 20230502; KR 20180018806 A 20180221; MX 2017015472 A 20180307; PL 3310893 T3 20210111; PL 3310893 T5 20240610; US 10806683 B2 20201020; US 2018177689 A1 20180628; ZA 201707938 B 20181128

DOCDB simple family (application)

EP 2016064343 W 20160622; BR 112017027395 A 20160622; CN 201680036727 A 20160622; EP 16731580 A 20160622; ES 16731580 T 20160622; GB 201510942 A 20150622; JP 2017566283 A 20160622; KR 20187001766 A 20160622; MX 2017015472 A 20160622; PL 16731580 T 20160622; US 201615739009 A 20160622; ZA 201707938 A 20171122